

U.S. Geological Survey Resources for Climate Change

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USGS Northeast Area

Coastal Habitat Conservation in A
Changing Climate:
Strategies And Tools in the Mid-Atlantic
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Northeastern Beach Tiger Beetle

USGS Regional Organization





USGS – Climate Capabilities

- Climate Change is one of the six central activities of the USGS;
- Across all major disciplines – geology, water, biology, and geography;
- Fundamental research and monitoring in all disciplines;
- Specific Programs include the Climate Change Effects Network; Wildlife and Climate Change Center; and numerous partnerships where we provide science for climate change adaptation
- Direct support of LCCs;

Status and Update

- USGS Support to the Landscape Conservation Cooperatives (LCCs)
 - North Atlantic LCC (initiated 2010 – lead -- USFWS)
 - South Atlantic LCC (initiated 2010 – lead – USFWS)
 - Appalachian LCC (initiated 2011 – lead – USFWS planning stage)
- DOI Regional Climate Change Science Centers
-- Status



USGS Support to LCCs

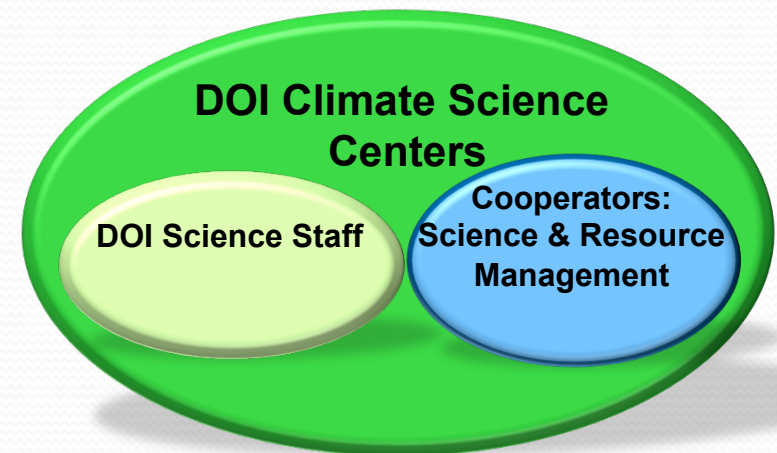
- 2010 Budget has \$5 million + to support LCCs;
- For the 8 LCCs to be put in place in 2010, USGS is providing 2 RGE level scientists to support each;
- Funds have been allocated to the Leetown Science Center for North Atlantic LCC; to the Patuxent Wildlife Research Center for South Atlantic; Support projects underway.

How will USGS Support LCCs?

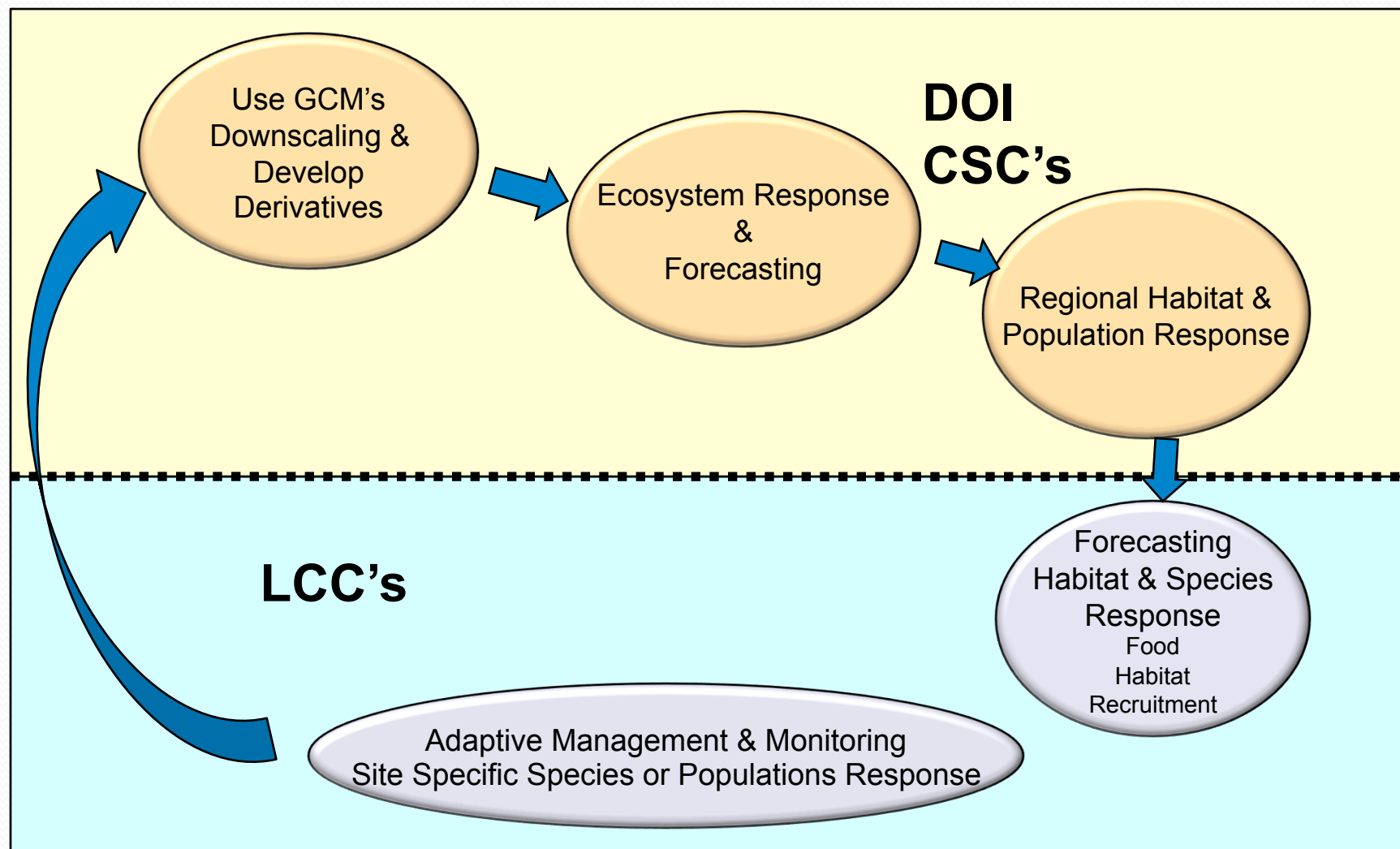
- USGS Commitments to LCCs:
 - Respond to Partner Needs
 - Research & Modeling
 - Adaptive Response Forecasts
 - Develop Monitoring Protocols
 - Multi-Disciplinary
 - Participation in governance
- USGS Benefits from LCC Partnership
 - Direct and Strengthen science capacity
 - Builds traditional strengths
 - Partners with other Expertise
 - Leverages Resources

DOI Regional Climate Science Centers

- University Based
- Competitive Process – underway
- Three + RCSCs Funded in 2010
- Staffing – Ecologists, Modelers, Climate Scientists, Population Biologists, Hydrologists, Sociologists – as identified by partners
- Coordination with NOAA
and other Federal State
Partners



NCCWSC APPROACH



Alternative Energy Assessment and Impact Assessment is a Priority

- Shale Gas Development
- Wind Energy
- Solar
- Biofuels



Research on Energy Resource Development is a Fundamental USGS Priority



PARDON OUR DUST!

Under Construction!

- Rapid changes in our organization
- Building LCCs and Climate Centers and new institutional frameworks
- Assure that Federal, State Regional Organizations are **full partners** in this process.

Questions? – Don't Clam Up!

